

ABSTRACT OF THE DISCLOSURE

According to an aspect of the present invention, a vehicle weight estimating device includes an acceleration detecting means, a driving force estimating means, a filtered acceleration obtaining means for eliminating a low frequency component from the detected acceleration, a filtered driving force obtaining means for eliminating a low frequency component from the estimated driving force, an acceleration integrating means for obtaining an acceleration integration, a driving force integrating means for obtaining a driving force integration, a vehicle weight estimating means for estimating the vehicle weight based on the acceleration integration and the driving force integration, a vehicle weight averaging means for averaging the estimated vehicle weight, a limiter determining means for setting an limiter initial value, an upper limiter and a lower limiter and setting an initial area framed by each limiter, and a vehicle weight correcting means for correcting the vehicle weight averaged based on the initial area.